

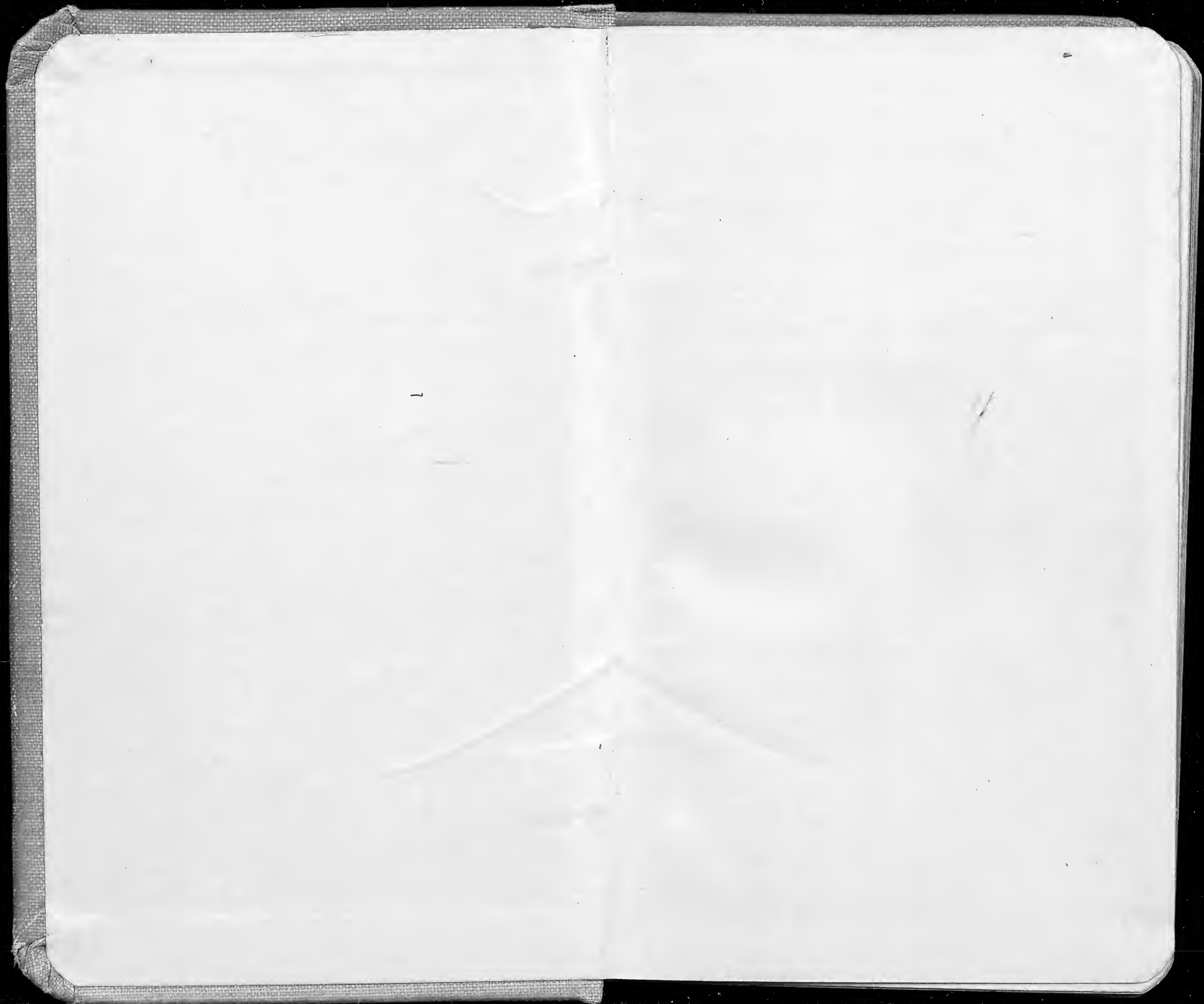
A.S. Hitchcock

1912 - 1913

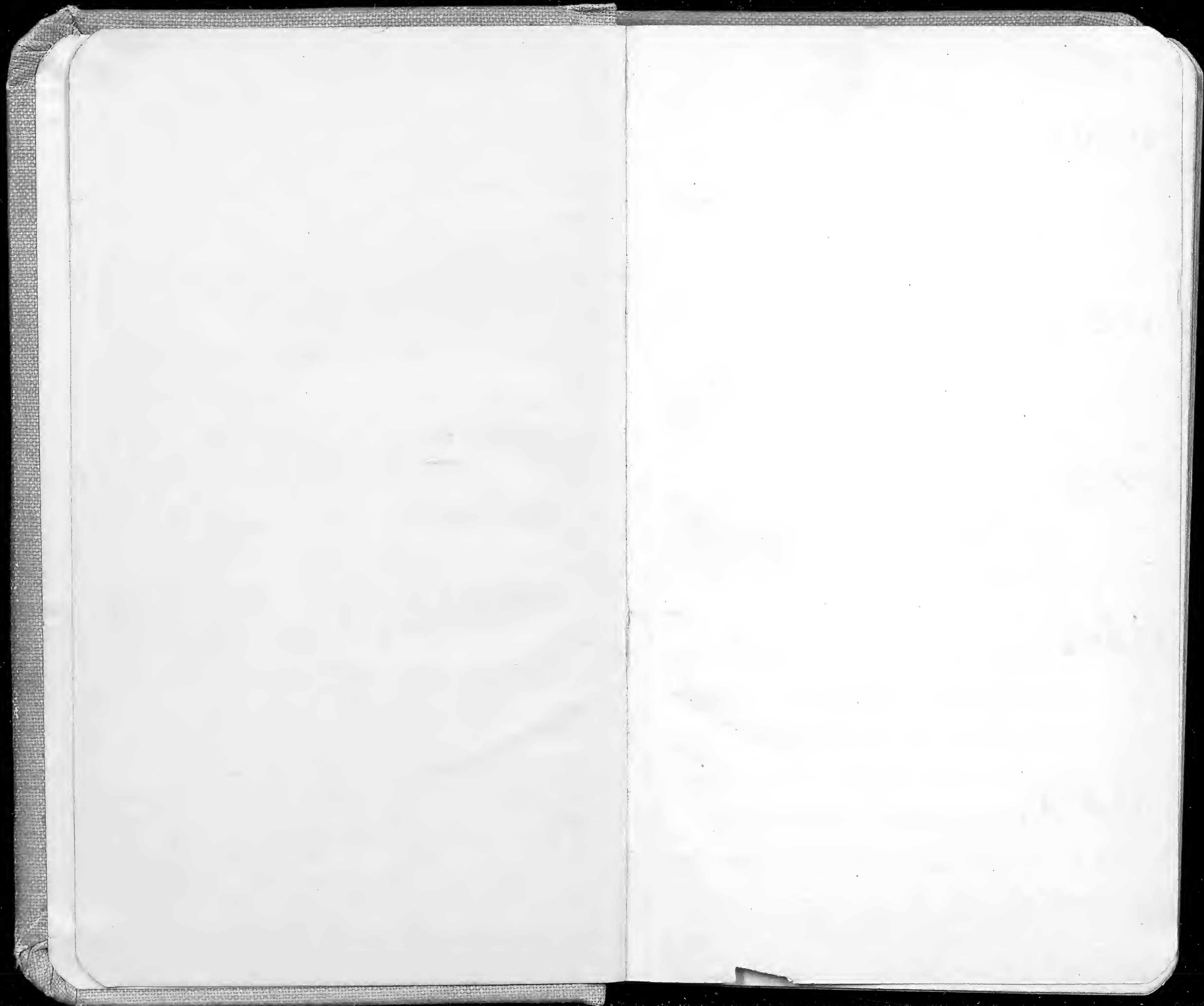
Book 3

10201-10411 } 1913  
106755 }

18







10200 - *Paspalum*

10201 *Paspalum*  
/ *virgatum* S.

10202 *Eragrostis*  
/ *ciliaris* (S.) Link

10203 *Eragrostis*  
/ *delicatula* Trin.

10204 *Panicum*  
/ *barbinode* Trin.

10205 *Syntherisma*  
/ *sanguinalis* (S.) Dulac.

Dec 18

Inocent plant  
opening

Along road

Along ditch by road

Along road - hills

Along road



10200

*Andropogon*

*Andropogon condensatus* Rupr.

Open ground

10201

*Andropogon*

*Andropogon bicornis* L.

Open ground

10202

*Panicum*

*Panicum pilosum* Sw.

Along ditch

10203

*Cenchrus*

*Cenchrus echinatus* L.

Along road

10204

*Syntherisma*  
digit

*Syntherisma digitata* (Sw.) Hitchc.

Along ditch

10211

*Panicum repens*  
along stream

along stream

10212

*Panicum repens*  
along stream

Open grassy  
along stream

2

*Panicum repens* L.

10213

*Paspalum plicatulum*

Open grassy

2

*Paspalum plicatulum*  
Michx.

10214

*Coix lauchryma-fol*

along stream

1

*Coix lauchryma-fol* L.

10215

*Bouteloua americana*

Grassy open ground

2

*Bouteloua americana* (L.)  
Scribn.



10210

*Panicum*

*Panicum fasciculatum* Sw.

Wheat - great

10211

*Sporobolus*

*Sporobolus virginicus*  
*littoralis*

Along stream  
in place

10212

*Stenotaphrum*

*Stenotaphrum secundatum*  
(Walt.) Ktze

Grass - in field  
in place

10213

*Sporobolus*

*Sporobolus indicus* (L.)  
R. Br.

Along river - in  
bank

10214

*Andropogon*  
*philensis*

*Andropogon pertusus* panormitanus Hack.

Along river - in  
bank

10221 *Olyra* ~~glaberrima~~?  
4 *Olyra arundinacea* HBK.

10222 *Oplismenus*  
2 *hirtellus* (L.)  
R. & S. var.

10223 *Leptochloa*  
2 *virgata* (L.)  
Beauv.

10224 *Syntherisma*  
1 *sagittatum*  
(Aubl.) Beauv.

10225 *Chaetochloa*  
2 *barbata* (Lam.)

Dry savanna - bank  
near river. Scarce  
in dry season. Usually  
seen in the shade.

Open ground

Along stream

Wet open place  
near



10220

*Capriola dactylon* (L.) Ktze  
Dactylon

*Capriola dactylon* (L.) Ktze

10221

*Axonopus compressus*

(L.) Nees

*Axonopus compressus* (Sw.)  
Nees

10222

*Paspalum conjugatum*

*Paspalum conjugatum*  
Berg.

10223

*Sporobolus jacquemontii*

*Sporobolus jacquemontii*  
Kunth

102

*Dactyloctenium aegyptium*

*Dactyloctenium aegyptium*  
(L.) Richt.

Wharf - Phragmites

10231 *Phragmites*  
7

*Phragmites phragmites*  
(L.) Karst.

10232 *Sporobolus*  
2 *littoralis*

*Sporobolus virginicus*  
*littoralis*

10233 *Panicum*  
3 *Panicum aff. virgatum*

10234 *Andropogon*  
2 *philensis?*  
*Andropogon pertusus*  
*panormitanus* Hack.

10235 *Pennisetum*  
3 *setosum*  
*Pennisetum setosum* (Swartz)  
Rich.

Dec 18

Along stream

Grass, near road

Along stream

Near salt marsh  
of Barber's Cove  
S.W.

Open ground



10230 *Leptochloa*  
1 *virgata*  
*Leptochloa virgata* (L.) Beauv.

10231 *Eleusine*  
1 *indica*  
*Eleusine indica* (L.) Gaertn.

10232 *Chloris*  
1 *radiata*  
*Chloris radiata* (L.) Sw.

10233 *Panicum*  
1 *maximum*  
*Panicum maximum* Jacq.

Tobago - Pay Side Dec 19

10234 *Ischnanthus*  
2 *pallens*

4 av *Ischnanthus pallens*  
a (Sw.) Munro  
h  
g

Open ground

Open field

Open field

Open ground

Open field

10241 *Oplismenus*  
2 *hirtellus*?

*Oplismenus hirtellus* (L.)  
R. & S.

10242 *Panicum*  
2 *pilosum*?

*Panicum pilosum* Sw.

10243 *Septochloa*  
1 *gels. panicum*

*Septochloa filiformis* (Lam.)  
Beauv.

10244 *Syntherisma*  
1 *salum*

*Syntherisma digitata* (Sw.)  
Hitchc.

10245 *Panicum*  
1 *laxum*

*Panicum laxum* Sw.

Wet sandy bank

Wet sandy bank

Wet along road

Wet field  
in brush

along ditch



10240 *Valota* sp.  
2 *Valota* n. sp.

10241 *Saxiaria*  
2 *Saxiaria*  
*Saxiaria swartziana*  
Hitchc.

10242 *Eleusine*  
1 *Eleusine*  
*Eleusine pallens* (Sw.)  
Munro

10243 *Paspalum*  
1 *Paspalum*  
*Paspalum paniculatum* L.

10244 *Eriochloa*  
2 *Eriochloa punctata* (L.)  
Hamilt.

*Eleusine* sp.

*Eleusine* sp.

*Eleusine* sp.

*Eleusine* sp.

*Eleusine* sp.

10251 *Chaetochloa* *barbata* (Garn.)

10252 *Ophiomenus* *hirtellus* var.

10253 *Valota* *insularis* (L.) Chase

10254 *Saxiaria* *n. sp.* = 10254

10255 *Saxiaria* *n. sp.* = 10254

*Chaetochloa*

*Ophiomenus*

*Valota*

*Saxiaria*

*Saxiaria*



1 10250 *Sarcocolla*  
1 *divaricata*

*Sarcocolla divaricata* (L.) Hitchc.

1 10251 *Sarcocolla*  
1 *divaricata*

*Sarcocolla* n. sp. = 10254

1 10252 *Panicum*  
1 *gigantoides*

1 10253 *Panicum*  
1 *gigantoides*  
*Panicum gigantoides* H.B.K.

1 10254 *Leptochloa*  
1 *scabra*

1 *Leptochloa scabra* Nees

1 10255 *Chaetochloa*  
1 *imberbis*

*Chaetochloa imberbis* (Poir.) Scribn.

*Sarcocolla*

*Sarcocolla*

*Panicum*

*Leptochloa*

*Chaetochloa*

50 p.

Tobago - Culter & Stuart

10261 *Lasianthus*  
1 des. side

*Saxifraga* n. sp. = 10057

10262 *Lasianthus*  
1 des. side

*Saxifraga* n. sp. = 10058

10263 *Delonix* *torreana*  
3

10263<sup>a</sup> *Schmanthus*  
big tree imed.

10264 *Olyra latifolia*  
2

*Olyra latifolia* L.

10265 *Panicum*  
1 *pilosum*

*Panicum pilosum* Sw.

Dec 20

Edge of woods

edge of woods  
near shade trees  
261

Deep shady damp  
place

Edge of woods

Near woods  
large specimen

10250 *Oplismenus*  
3 *Oplismenus hirtellus* (L.)

10251 *Raddia*  
374 *urbani*  
Set *Raddia urbaniana* Chase

10252 *Lasiacis*  
8 *Lasiacis* n. sp. = 10254

10253 *Lasiacis*  
7 prob. L.  
*Lasiacis* n. sp. = 10007

10254 *Lasiacis*  
2 = 268  
*Lasiacis* n. sp. = 10254

Shady bank

In deep woods  
in mountain  
abundant on the floor  
of the forest.

Edge of woods  
Differs from 10251 in being  
erect, many, long, glaucous  
panicles, lower leaves reflexed.  
Edge of woods

Edge of woods



10271 *Oplismenus*  
2 *holosericeus*

*Oplismenus hirtellus* (L.)  
R. & S.

10272 *Panicum*

1 *Panicum laxum* Sw.

10273 *Imperata*

1 *Imperata contracta* (H.B.K.)  
Hitchc.

10274 *Andropogon*

1 *Andropogon bicornis* L.

10275 *Lasiacis*

2 *piclerianae*  
*Lasiacis* n. sp. = 10007

Shady bank

Along ditch

Grassy bank

Grassy hill

Along edge of  
mud.

10270 Panicum  
2 *Panicum*  
*Chaetochloa ~~canadensis~~* ( )

10271 Arundinella  
1 *Arundinella*  
*Arundinella martinicensis*

10272 Paspalum  
1 *Paspalum*  
*Paspalum saccharoides*  
(Kunth) Nees

10273 Isachne  
30 *Isachne*  
*Isachne disperma* (Spreng.) Nees

10274 Arundinella  
30 *Arundinella*  
*Arundinella martinicensis*

124

Shrub bank  
"Gamalotti" in tobacco

Gassy hill

Clay bluff

Edge of woods  
on hill

Dec 21

Gassy hill top -  
4 m. wide - scattered  
up to 100 ft. high  
above dune line below  
6-8 ft. high



10281 *Paspalum*  
1 *ce. C. C. C. C.*  
*Paspalum fasciculatum*  
Willd.

10282 *Paspalum*  
2 *sulcatum*  
*Chaetochloa sulcata* (Aubl.)  
Hitchc.

10283 *Paspalum*  
2 *distichum*  
*Paspalum distichum* L.

10284 *Echinochloa*  
4 *spectabilis*  
*Echinochloa spectabilis*  
Link.

10285 *Paspalum*  
7 *underwoodii*  
*Paspalum underwoodii* Nash

Low fl. - C. C. C. C.  
Phyrmont

ditto - Phyrmont

Sp. - C. C. C. C.  
Phyrmont

Severely border  
of C. C. C. C. - Phyrmont

Apr. - C. C. C. C.  
road - 2 m. W. S.  
S. C. C. C. C. - very  
glaucon



10280 Sporobolus  
indicus  
Sporobolus indicus (Sw.)  
R. Br.

10281 Paspalum  
vaginatum Sw.  
Paspalum vaginatum Sw.

10282 Leptochloa filiformis  
magnifica  
Leptochloa filiformis  
(Lam.) Beauv.

10283 Eragrostis  
annabilis (L.) W. & A.  
Eragrostis plumbosa (Retz.)  
Link

10284 Saccharum  
ciliare Anders.  
Saccharum ciliare Anders.

Open ground  
Coconut plantation

Near the house

Upland - Shrub  
Ground - Shrub

Wet - 2 ft. high  
Ground - Shrub

Cult. - 2 ft. high  
Ground

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end of Tobago

Mixed

10291 *Hymenocallis*  
auct.

*Hymenocallis amplexicaulis*  
(Pursh) Nees

10292 *Cyperus*

10293 *Leptochloa*  
*scabra*  
*Leptochloa scabra* Nees

10294 *Cyperus*

10295 *Fimbristylis*

Arisee Dec 25

Small pond

Low ground

data

data

data

10280 Cyperus?  
2

10281 Panicum  
2 polygonatum  
Panicum polygonatum  
Sw.

10282 Cyperus

6 mi West of Arena

10283 Paspalum  
1 decumbens  
Paspalum nutans Lam.

10284 Scleria  
1

Long County 13

della

della

Dec 25

Cherry bank 511

della



10301 *Paspalum*  
2 ~~hence~~<sup>no</sup> ~~leaves~~  
*Paspalum nutans* Lam.

10302 *Cyperus*  
7

10303 *Cyperus*  
1

10304 *Cyperus*  
1

10305 *Isolepis*  
2

Shrubby bank, formerly  
long, flowers one-  
lipped - same as  
10299?  
Woods

Woods

Woods

Shrub

10390 Panicum  
2 poly, ovate?  
Panicum polygonatum  
Sw.

10391 Pappus  
1

10392 Paspalum pedunculatum  
1  
Paspalum pedunculatum  
Poir.

10393 Panicum  
1  
Panicum pilosum Sw.

10394 Panicum  
30  
(Succulent)  
Set. Panicum birdhead  
n. sp.

Quercus, short  
forming long rooting  
numerous.

Shrub, black

Shrub, rank  
leaves numerous  
spikes

Shrub, rank

Shrub, rank

10311  
2

*Quercus*

Wood

10312  
1

*Cyperus*

Shady bank

10313  
2

*Ischnanthus*

*near*

*Ischnanthus tenuis (Presl)*

Shady bank

10314  
1

*Cyperus*

Shady bank

10315  
3

*Homalocenchrus*

*hexandrus*  
(Sw.) Kuntze

Wood



10310 Bamboo

2

Bambusa

7-0-5 - 18 - 2017 - 100 ft

10311 Lasiacis

see 10

Lasiacis swartziana Hitchc.

10310 Lasiacis

1

10311 Eragrostis

2

confert.

Eragrostis

10310 Panicum

5

(Panicum)

Panicum birdhead n. sp.

cult. in Mr. Andrie's  
garden. Origin unknown.  
Large & beautiful. Culm  
solid - see separate spec. of culm.

Woods - young & leaf

Woods - young & leaf

Shady among rocks  
up on hill

Coco-palms

10321 *Cypripedium*  
1

10322 *Selenia*  
1

10323 *Geocarpum*  
3

*Saxifraga sloanei* (Griseb.)  
Hitchc.

10324 *Geocarpum*  
2

*Saxifraga sloanei* (Griseb.)  
Hitchc.

10325 *Selenia*  
1

Along road  
woods

ditto

Woods,  
from a very young plant

ditto. young, a marginal  
shrub-like plant

Along road with  
woods

10320 *Olyra*  
B *polystachya* - (small)  
*Olyra arundinacea* HBK

10321 *Olyra*  
B *latifolia* - (small)  
*Olyra latifolia* L

P. J. S. *Syntherisma* - (small)  
10320 *Syntherisma* - (small) Dec 28  
B *parviflora* - (small)  
*Syntherisma parviflora* (Sw.) Nash

10321 *Eragrostis*  
B *tephrosanthes*  
*Eragrostis tephrosanthes* Schult.

10320 *Scirpus*  
*fimbriatylus*

Wood - from  
angora blood

In wood - from high  
over forest -  
growing - leaves always  
green - flower white



10321 *Hydrocotyle*

10322 *Ischaemum*

1  
low, grassy, present by stream  
*Eriochloa subglabra* Nash

10323 *Cyperus*

10324 *Cyperus*

*Pennisetum*

10325 *Thrasya*

3  
*Thrasya*  
hairy

low, dense, prostrate  
flowering branches

South of Brown, Dec 28  
A wet sandy savanna

10330

*Paspalum*  
/  
*Paspalum indet.*

10331

*Paspalum*  
2  
*serpentinum* Hooker

*Paspalum serpentinum*  
Hooker

10332

*Paspalum*  
*Paspalum pulchellum*  
Kunth

10333

*Axonopus*  
/  
(*Calamagrostis*) *pulcher*  
*Axonopus pulcher* (Willd.)  
probably

10334

*Paspalum*  
4  
*populosum*!  
*Paspalum multicaule* Poir.

10341 *Plysclopora*  
1

10342 *Trachypogon*  
2 *acutellus*  
*Trachypogon plumosus*  
(H. & B.) Nees

10343 *Panicum*  
2 *latum*  
*Panicum latum* Sw.

10344 *Eragrostis*  
13 *latifolia*

10345 *Andropogon*  
1 *leucostachyus*  
*Andropogon leucostachyus*?



10340

*Panicum*

2

~~sternodes~~

*Panicum sternodes* Hubbard

10341

*Panicum*

12

~~sternodes~~

*Panicum sternodes* Griseb.

10342

*Andropogon*

~~spathiflorus~~

*Andropogon spathiflorus* Kunth

10343

*Panicum*

2

~~cyaneum~~

*Panicum cyaneum* Nees

10350

*Paspalum*

8

~~pusillum~~

*Paspalum pusillum* Nees

10351 *Panicum*  
3 (*laxum*)  
*Panicum laxum* Sw.

10352 *Thrasya*  
2 *Thrasya* n. sp.

10353 *Paspalum pedunculatum*  
1 (*pedunculatum*)  
*Paspalum pedunculatum* Tair.

10354 *Panicum*  
1 *Panicum cyanescens*  
Nees

10355 *Phychopeper*  
2

10350 Sacciolepis  
1 villosa

Sacciolepis myuros (Garn.)  
Chase

10351 Ichnanthus

Ichnanthus ichnoder (Grisb.)

In brush at edge  
of swampland

10352 Panicum

2

(pale)

Panicum pilosum Sw.

In swampland at  
edge of swampland

10353 Cyperus  
1

10354 Scleria  
1

Among shrubs  
at edge of swampland



10361 *Panicum*  
1 *Panicum*  
*Panicum barbatum* Sw.

10362 *Trachne*  
30 *Trachne polygonoides*  
Willd.

10363 *Panicum*  
10 (*acutatum*)  
*Panicum birdhead* n. sp.

10364 *Panicum*  
3 *Panicum cyanescens* Nees

10365 *Rhynchospora* ?  
1

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*Arundo donax* L.  
Success of land at  
L. of ...

*Setaria*

Mangrove, East Coast

10360 Paspalum

Paspalum underwoodii  
Mack

10361 Genus local

1  
local?

Homalocenchrus hexandrus  
Sw) Ktze

10362 Oplismenus

2  
bicolor

Oplismenus hirtellus (L.)  
R. & S.

10363 Scirpus

1  
Faintly

10364 Eleocharis

1

Swamp Mangrove Dec 29

Clery beach

Swamp near beach

Shrub of mangrove  
beach

Beach

Mangrove beach

10371

*Scirpus*  
*Fimbriat*

Marsh, near road

10372

*Cyperus*

Marsh

10373

*Cyperus*

Marsh

10374

*Liriodendron*  
(small)

Wood, near  
road

+1 *Saxifraga sloanei* (Griseb.)  
Hitchc.

10375

*Anthephora*  
*Anthephora hermaphrodita*

Marsh



10370 *Panicum*  
(uncultivated)

In wood of swampy  
bank of Cacao river

10371 *Leptocarpus*  
L.

Common in woods  
near swampy bank

*Leptochloa longa* Griseb.

Trinidad: Four Roads, Port of Spain,

10372 *Adiantum*

Dec. 3, 1912. Shady moist  
woods in cacao plantation.

10373 *Pityrogramma calomelasma*

hab. do.

10374 *Adiantum lucidum* Sw.

hab. do.

10381 *Lygodium* Dec. 3

hab. do.

10382 *Selaginella*

hab. do.

10383 *Lygodium*

hab. do.

10384 *Adiantum*

hab. do.

10385 *Dryopteris protensa?*

hab. do.

Dec. 3

10380 *Adiantum obtusum?*

10381 *Dryopteris effusa?*

10382 *Vectaria*

10383 *Adiantum fulvovirentum* L.

10384 *Dryopteris*

Ex. 225

Hab. do.

" "

" "

" "

" " ~~10385~~



Dec 3

10391 *Blacknum occidentale* L.

Arab

Hab. do.

10392 *Adeantum*

" "

10393 *Dryopteris*

" "

10394 *Tectaria martinicensis*

" "

10395 *Dryopteris tetragona*

" "

Dec 3

10388

*Phlebodium aureum* (L.)

Hab. do.

10389

*Dryopteris*

" "

10390

*Lygodium*

" "

10399

*Dryopteris*

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Trinidad: Port Spain. Dec. 15, 1912

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Savannah, Ga.

10400

*Polypodium polypodioides*

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10401

10402

10403

10404

10405



Tobago: Spey Side.  
Dec. 18-21, 1912

10400 *Blechnum occidentale*

10401 *Dryopteris*

10402 *Pityrogramma cal-  
omelacra*

10403 *Adiantum*

10404 *Polypodium  
vacciniifolium*

Wet shady  
bank

Lab. do.

" "

" "

" "

Manhattan Kan

10411 *Cenchrus*  
1 *carolinianus*

10412 *Leptoloma*  
1 *coquimbense*

10413 *Sporobolus*  
2 *cryptandrus*  
*Sporobolus cryptandrus*

10414 *Paspalum*  
✓ *strawberry*  
*set*

10415 *Alopecurus verticillatus*  
✓ *verticillatus*  
*set*

June 24 - 1913

Sandy soil on terrace

little

little

little - erect on  
nearly 30

Prarie - collins  
campus

10410 Panicum  
pauciflorum

Dry hill

10411 Schedonardus paniculatus  
Schedonardus  
paniculatus  
set

Dry hill - in  
bundles - prostrate at  
base - inflorescence  
ascending - later decumbent  
Panicum -

10412 ~~Carex~~ Stipa  
Spartea  
Stipa spartea

10413 Sphenopholis  
obtusilobata

Panicum

10414 Tripsacum  
dactyloides

Low prairie  
2-3 feet high



10421 *Elymus*  
longifolius  
✓ *Elymus virginicus* L.

10422 *Elymus*  
✓ longifolius  
set *Elymus virginicus* L.

10423 *Splachnoides*  
1 *obtusata lobata*

Adansonia Ariz.

10424 *Agropyron*  
✓ *Agropyron palmeri*

10425 *Stipa comata*  
✓ *Stipa comata*

*Poa glauca*

*Poa* - small  
bunches.

*Poa*

June 27.  
Dry hill - Pelicula  
Forest - Arizona

Dry hill - Alto

10420 Sporobolus  
2 ~~arvensis~~

Sporobolus airoides

10421 Stipa  
2 ~~neomexicana~~

Stipa neomexicana

10422 ~~Pleuraphis jamesii~~  
✓ ~~Pleuraphis~~ jamesii  
Jamesii

gt

10423 Epicampes

(or 44 a Sporobolus)  
Epicampes nigra

10424 Oryzopsis  
1 hymenoides

Oryzopsis hymenoides (R & S)  
Ricker

Dry bank  
P. (or 44 a) forest

ditto

Dry ground - near  
along R. - Adams

ditto

ditto

1041 *Hordeum jubatum*  
Hordeum jubatum L.

1042 *Sporobolus airoides*  
Sporobolus airoides

1043 *Aristida*  
(var. 2?)  
~~*Aristida fendleriana*~~  
~~Grand Canyon~~

1044 *Koeleria cristata*

1045 *Bromus commutatus*  
Bromus commutatus Schrad.

Low ground  
along Ry

Dry ground along  
Ry - low ground

della

June 29 - around hotel  
Cape San Lucas

Went along road



10420 *Agropyron*  
*Agropyron palmieri*

open dry ground  
Rhizophora. 2 stems  
different from A. smithii  
Bluish flat when fresh  
Used along road 211

10421 ~~*Bromus*~~  
*Bromus hordaceus*  
*Bromus hordaceus* L.

10422 *Bromus*  
*villosus*  
*Bromus villosus*

Used along road 211

10423 *Hordeum*  
*muricatum*  
*Hordeum muricatum* L.

Used along road 211

10424 *Sitanion*  
*Sitanion pubiflorum*

Open pine woods 211

1041. *Oryzopsis*  
*hymenoides*  
*Oryzopsis hymenoides* (R & S)  
Parker

1044. *Hordeum*  
*quararacense*  
*Hordeum quararacense*

1044. *Agropyron*  
*molle*  
*Agropyron palmeri*

1044. *Oryzopsis*  
*hymenoides*  
*Oryzopsis hymenoides* (R & S)  
Parker

1044. *Stipa*  
*comata?*  
*Stipa comata*

Open pine woods

Along ditch

Open pine woods  
scattered, the leaves  
slender, but the plants are  
not close together.  
Ditto - plants  
narrow.

Ditto - small bunches

Great Canyon June 30

10410 *Stipa*  
1 *Stipa arida*

10441 *Bromus*  
2 *marginalis*  
*Bromus marginalis*

10440 *Stipa*  
2 *Stipa scirpoides*

10442 *Poa*  
2 *gundlachiana*  
*Poa longiligula*

10443 *Stipa*  
1 *comata*?  
*Stipa comata intermedia*

Along Prefect's camp bank  
5000-7000 feet.

graybeech

In a ravine

Dry bank. *Stipa*  
*comata* glab.

Dry bank - common  
therefore. Some specimens  
but mostly poor material

Dry bank



104 Stipa  
Stipa speciosa

1045. Atriplex  
Elymus triticoides

1045. Hordeum  
Hordeum jubatum  
Hordeum jubatum

1045. Gracile  
sp.

Santa Barbara  
1045. Elymus  
triticoides  
Elymus triticoides ✓

Bunches on dry bank

dry bank - along river

Along ditch

Se. Beach Long Beach  
Los Angeles  
July 2.

July 3

Low open ground  
near beach - glaucous  
rather evenly scattered  
over a considerable area

10446 *Distichlis*

7

♂ = ♀

*Distichlis apiculata* (L.) Greene

10447 *Tolypogon*

*microphyllus*

Set

*Tolypogon monspeliensis*  
(L.) Desf.

10448

*Elymus*

*condensatus*

GR

Set

*Elymus condensatus*

10449

*Artemisia barbata*

*barbata*

Set

*July 5*

10450

*Elymus*

*condensatus*

Low ground near  
beach, 5 m. high.  
purple flowers.

Low ground near  
beach.

Bank near beach - clumps  
pubescent or glabrous - 2 ft.  
Stems with fascicles of branches,  
rayon look and smell. Perianth  
conspicuous.

Along river - a  
mud.

Dry bank - old fascicles  
foliage, etc. = 10/5-8

10441 *Bromus*  
*caeruleus*  
sd *Bromus cernuatus*

10442 *Agrostis*  
*fulva*  
sd *Agrostis foliosa*

10443 *Bromus*  
*intra*

*Bromus laevipes*  
Rav. 1st - East

10444 *Agrostis*

sd *Castrodidium lundigerum*

10445 *Bromus vulgaris*  
*Bromus vulgaris*

Dry hill side - small  
bunches perennial

Dry bank - sparse  
slender, elongated

Shady bank

Wet meadow - Spring 5  
Along road side - a hedge  
can be seen. Panicle 2-3 long -  
anthesis

Shady bank - small clump  
1-3 stems - Panicle drooping like  
a cat's tail



10450 *Bromus*  
*Bromus marginatus*

July 7 - Santa Clara Co. Cal.  
10451 *Elymus*

*glaucus*  
*glaucus*

10452 *Avena fatua*  
*fatua*

*fatua*

10453 *Bromus*  
*villosus*

*Bromus villosus*

10454 *Bromus*  
*canadensis*

della

near Wrights

edge of orchard  
on hill

Went in field  
della

Went in field - della

della  
probably winter annual

1047. *Elymus*

2

*Elymus mollis*

July 8. Sand Creek

1047. *Agrostis*

stolonifera

*Agrostis stolonifera* L.

July 9 - Summit of Sand.

1047. *Bromus*

*laevipes*

*Bromus laevipes*

1047. *Poa*

2 *Poa howellii*

Sandee - July 17.

1047. *Stipa*

*Stipa occidentalis*

Sandee - July 17. Sand Creek  
Low, dry, sandy.

July 17. Sand Creek  
Low, dry, sandy.

July 17. Sand Creek  
Open grassy slope  
perennial - bunches  
in clumps

ditto - dry bank at  
shade

open woods dry

10420 *Stipa*  
~~*secundata*~~  
Sel *Stipa occidentalis*

10421 *Sitanion*  
~~*californicum*~~  
Sel *Sitanion californicum*

10422 *Lagurus*  
~~*ovatus*~~  
Sagurus *ovatus*

10423 *Bromus*  
~~*maritimus*~~  
*Bromus maritimus*

10424 *Agrostis*  
~~*(various)*~~  
Sel *Agrostis rossae*

Open dry woods  
among sage brush

ditto

Rocky open cliff  
Gorse S. Francisco

Borders of beach  
Golden Gate Park  
S. Francisco

Dry open woods under  
shade of pines and spruces



104 Deschampsia elongata  
Deschampsia  
elongata

Set

104 Muhlenbergia

Set Muhlenbergia filiformis

104 3 Muhlenbergia

Muhlenbergia filiformis

104 Bromus  
commutatus

Bromus commutatus Schrad.

104 Poa  
pratensis

Poa pratensis L.

Open woods - common  
along stream & fence.

Open grass land  
near Brown Lake

Open sandy ground

Open sandy ground  
near Brown Lake

Open woods  
apparently common. Tall &  
slender - culms scattered

10480 Danthonia

7

10481 Poa  
Sand dune

10482 Poa sand dune

10483 Poa  
Oleum

Poa wheeleri

10484 Muhlenbergia

1  
Muhlenbergia squarrosa

10490 Melica

1 Melica fugax

Open area, annuals  
near house

ditto

ditto

ditto

ditto

104 *Agrostis*  
10 *Agrostis foliosa*

Open ground in sand  
surrounding Kluizemans

104 *Poa*  
10 *Poa bolanderi*

Open <sup>moor</sup> dry woods  
Annual

104 *Poa*  
10 *Poa* ~~dry~~ <sup>moor</sup> ~~moor~~

Open moor soil  
annual

104 *Agropyron*  
10 *Agropyron*  
set *Agropyron tenerum* Vasey

Dry open ground  
among sagebrush

104 *Hordeum*  
10 *Hordeum*  
set *Hordeum nodosum*

Open moist ground  
between marsh meadows  
- dry sagebrush plain  
- wet perennial



10474. 10000  
Elymus macounii

10475. 10000  
Agropyron caninum

10476. 10000  
Set. Festuca rubra

10477. 10000  
Elymus triticoides

10478. 10000  
8 (Larrea?)

7

Open moist ground  
near Spring Creek

Open dry ground  
near Spring Creek

Open ground  
near moist area. Near  
Spring Creek

Open dry ground  
brush rail, Salicornia  
area - not of Salicornia

Open dry woods

1050 Stipa  
Stipa villosa

1051 Bromus  
Bromus marginatus

Summit to Mt. Lincoln  
10520 7 feet

festuca viridula

10500 Poa  
Poa buckleyana

10500 Poa  
Poa sandbergii

10500 10000

10500 10000  
10500 10000

Summit July 13  
Rocky slope - leaflets  
green (no glaucous, erect -  
no rhizomes.

Rocky slope - leaflets  
erect 2-3 in. - erect

Rocky slope - leaflets

10500 Melica

4 Melica bella

10500 Poa

1 Poa sandbergii

10500 Poa

1 Poa wheeleri  
gl

10500 Poa

1 Poa wheeleri  
gl

10500 Poa

1 Poa wheeleri  
gl

Open rocky woods

Rocky slope

Rocky slope - sample on  
edge of a cliff - Short  
rhizomes - 7500 ft

Rocky slope - 5000 ft -  
small <sup>leaves</sup> <sub>cliff</sub> - short rhizomes

Rocky slope - 5000 ft  
rather long leaf



10511 Poe

set Poa pandbergii

10512

Poa pandbergii

10513

Poa gracillima

- Munkke - July 16

10514

Prunus

Prunus tectorum nudus  
Klett + Richter

10515

Stipa

(Lemmon)

set

Stipa viridula

Open slope -  
flat summit of hill. Leaves  
small, young leaves very green  
light green, young leaves becoming brown  
Red - top of hill  
Set on hill

Rusty slope - 2500 ft.  
Large leaves - thick, erect

A weed along R.  
in dry ground.

Rusty slope - brush  
6-12 culms or more -

10510

*Bromus*

*erectus*

✓

*Bromus orcutianus*

10511

*Bromus*

*erectus* semi-

✓

*Bromus marginatus* semi-nudus

10512

*Elymus*

*Elymus triticoides*

✓

erect

Pemo-hu. July 17

1913

10513

*Spartina*

*Spartina gracilis*

✓

10514

*Puccinellia*

*atrovirens*

✓

*Puccinellia atrovirens*

Rail Lake fence  
bushes, culms spread  
erect but stiff spread-  
ing.

Rail Lake -  
bushes, culms drooping

Open area along  
Ry. track

Sparks

near ranch

more numerous & fully  
alkaline

10521 Poa

(nevadensis)  
Set Poa nevadensis

10522 Puccinellia

2 acutidens  
Puccinellia hommoni

10523 Bromus

marginatus

10524 Bromus

hordeaceus L.

10525 Sporobolus

asperifolius  
Set Sporobolus asperifolius

Moist meadows

Slender spike or few  
left pass. feebly drooping  
An important constituent of  
moist meadows  
with 10520 but more  
slender

Slender spike  
dry soil

ditto

Moist meadows -  
slightly alkaline



10520 *Hordeum*  
~~puberulum~~  
*Hordeum jubatum* L.

10521 *Hordeum*  
/  
*Hordeum nodosum*

10522 *Agrostis*  
~~alba~~  
/  
*Agrostis alba* L.

10523 *Hordeum*  
/  
~~caespitosum~~  
*Hordeum caespitosum*

10524 *Elymus*  
/  
~~triticoides~~  
*Elymus triticoides*

*Accurately numbered*

*della*

*della*

*della*

*By ground*  
*Spike slender - spike*  
*single at node - with*  
10532

105 *Elymus*  
1 *triticoides*  
*Elymus triticoides*

105 *Elymus*  
2 *triticoides*  
*Elymus triticoides*

105 *Agropyron*  
1 *tenaxum*  
*Agropyron tenaxum* Vasey

105 *Elymus*  
2 *condensatus*  
*Elymus condensatus*

105 *Distichlis*  
2 *spicata*  
*Distichlis spicata* (L.) Greene

*Elymus*  
3 *triticoides*  
total 10-32

*Elymus*  
10-32  
total 10-32  
total 10-32

*Elymus*

*Elymus*  
total 10-32

10536 *Phleum*  
/ *pratense*  
*Phleum pratense*

10537 *Polygoum*  
/ *monspeliense*  
*Polygoum monspeliense* (S.)  
Desf.

10538 *Bromus*  
/ *tectorum nudus*  
*Bromus tectorum nudus*  
Klett. - Richter

10539 *Oxyopsis*  
/ *hymenoides*  
*Oxyopsis hymenoides* (R. & S.)  
Hooker

10540 *Bromus*  
/ *villosus*  
*Bromus villosus*

Along roadside

Along ditch

Along ditch - sand

Along open ground

Along road



10542 *Avena*  
*falcata*

In wood in open  
ground

10543 *Sphaerophthalma*  
*obtusata*

Recessed area - Corn

10544 *Bistorta*  
*crucifera*

Along ditch

10545 *Danthonia*  
*calycina*

Recessed area - Corn

10546 *Puccinellia*  
*avenae*  
*Puccinellia avoides*

Leaves

10540 *Alopecurus*  
amblyanthus  
*Alopecurus aristulatus*  
Michx.

10541 *Poa*  
= 10542  
*Poa nevadensis*

Reno - July 18

10540 *Dactylis*  
glomerata  
*Dactylis glomerata* L.

10540 *Polypogon*  
laevis

10540 *Agrostis*  
hiemalis  
*Agrostis hiemalis* (Walt.)  
B.S.P.

Along ditch &  
wash

near Reno - Reno  
along stream bank

along stream

Along ditch

Along stream

105 *Drychamps*  
*caerulea*

along stream  
Humble Creek  
anyone

105 *Agrostis*  
*exarata* Trin.

ditto

105 *Panicum*  
*nerioides*

ditto

105 *Poa*  
*nevadensis*

ditto - tall - cool  
clump of 12 - cooling

105 *Poa*  
*nevadensis*

ditto ditto  
small cool & broad  
as clump (under stony)



105. Stipa  
/ Stipa occidentalis

105. Silene  
/ Sitanion californicum

105. Stipa  
/ Stipa Thurberiana

✓ 105. Sitanion  
Sitanion californicum

105. Bromus  
/ (subcylindricus)  
Bromus subcylindricus

dry hill

dell green

dell

dell - dell &  
near - (cylindricus)  
120 22 - real not so  
bongala

dell

1051 Stipa  
1  
occidental  
Stipa Thurberiana

1052 Melica  
set Melica stricta

1053 Alopecurus  
set Alopecurus aristulatus  
Michx.

1054 Poa  
1 Poa pratensis

1055 Poa  
1  
compressa  
Poa compressa L.

hill

hill  
sandy, near road,  
west

set  
in sand dunes  
near Mouth Creek  
Canyon

west corner

hill  
common here  
than elsewhere

10500 Poa  
Poa nevadensis

Wet meadow  
Great Salt Canyon

10501 Calamagrostis  
Calamagrostis canadensis

ditto

10502 Panicularia  
Panicularia (latifolia) elata  
Nash

ditto

10503 Elymus  
Elymus glaucus

ditto

10504 Bromus  
Bromus marginatus

Rocky slope



10571 Festuca  
Festuca confinis

10572 Festuca  
Festuca subulata

10573 Poa  
Poa wheeleri

10574 Poa  
(sandy)  
Poa sandbergii

10575 Bromus  
Bromus  
Bromus marginatus seminudus

Seed -  
on dry. culms  
near creek

From the  
ter. soil

Humili Creek  
Canyon

ditto - large clumps

ditto

10570 Bromus  
/ hordeaceus  
Bromus hordeaceus L.

10571 Solanum  
/ multiflorum  
Solanum multiflorum Lam.

10572 Poa  
/ wheeleri

10573 Bromus  
/ marginalis  
Bromus marginatus

10574 Poa  
/ wheeleri

delto

delto

delto

delto

delto

1053 Bromus  
1  
Bromus marginatus

1054 Stipa  
2 Stipa n. sp.

1055 Poa  
2 (Sandbergii?)  
Poa sandbergii

10584 Bromus  
1  
Bromus commutatus Schrad

10585 Festuca  
1  
Festuca rubra S.

hills - root pubes-  
cent nodes

hills

hills  
probably = 10528

hills

hills - glaucous



10570 *Bromus*

1 *Bromus marginatus*

10571 *Silene*

*Sitanion californicum*

Fr

Battle Mountain Nev July 23

10572 *Muhlenbergia*

1 *Richardsoni?*

*Muhlenbergia squarrosa*

10573 *Hordeum*

1 *caespitosum*

*Hordeum caespitosum*

10574 *Elymus*

1 *condensatus*  
*Elymus triticoides*

Jul 26

Recl

Leaves

dry

Sp

seeds pale

spike

brood

Traces

in

25 27

Dry ground

in meadow

Wet meadow

In meadow flat

1051: *Distichlis*  
1 *Distichlis spicata*

leafy stem -  
very slender

1052: *Sporobolus*  
2 *annuus*  
*Sporobolus airoides*

ditto

1053: *Elymus*  
1 *triticeoides*  
*Elymus triticoides*

ditto

1054: *Beckmannia*  
sel *erecta*  
*Beckmannia*

Colony wet ditch  
annual

1055: *Sporobolus*  
1 *asperifolius*  
*Sporobolus asperifolius*

all it resembles

10590 Poa  
6 Poa (Muhlenbergii)  
nevadensis

10596 2  
2 Poa nevadensis

10597 Hordeum  
1 nodosum

Hordeum nodosum

10598 Eriogonum  
2 (unsp.)

10599 Phalaris  
1 arundinacea

10600 Elymus  
1 robustus  
Elymus triticoides

Wet meadow  
are all the specimens  
of the same species

little  
perennial

Along wet ditch  
sprinkling - flower buds  
under

Among willows  
along channel

Wet meadow  
clumps of the same  
at mouth



1110

Remains  
of the old

*Eriagrostis orcuttiana*

224

*Parnassia*  
*laetifolia*

Leandro Praloran

Amsterd. 1642

[illegible]

1. *Bromus tectorum* natus

1062

1 melica (bella 3)

10000 Shops

Robert Brown

Stipa comata

154

2

100m F. ch...  
3 ...  
Festuca idahoensis

✓ 100 Onyopsis  
hymenoides  
cf Onyopsis hymenoides  
(H. S.) Bickner

100 Hordeum  
nodosum  
Hordeum nodosum

100 Hordeum  
murinum  
Hordeum murinum

100 Sitanion  
calyptratum  
Sitanion glabrum

✓ 1061. *Agropyron*  
(sp. det. det.)  
*Agropyron vaseyi*

1061. *Stipa*  
" *Stipa* (det. det.)  
*Stipa nelsoni*

1061. *Elymus*  
*Elymus*

✓ *Elymus condensatus*

1061. *Poa*  
6 *Poa* in 623 *Poa*  
*Poa nevadensis*

*Aster* - *Syntherisma* (det. det.)

1061. *Bromus*  
" *Bromus*

*Bromus hordeaceus* L.

*Bromus* - *fr.*

*Bromus* - *fr.*  
*Bromus*

*Bromus* - *fr.*  
*Bromus* *Bromus*  
*Bromus*



10614 *Bromus*

1

*marginatus*

*seminudus*

*Bromus marginatus seminudus*

10615 *Agropyron*

1

*tenax*

*Agropyron tenax*

10616

16

*Poa nevadensis*

*Poa nevadensis*

10617

6

*Agropyron flexuosum*

*Agropyron flexuosum*

10618 *Stipa*

2

*thunbergiana*

*Stipa thunbergiana*

*Stipa*

She is 10235 mixed  
with this.

10622 *Agropyron*  
7 *caninum*  
*Agropyron caninum*

10623 *Agropyron*  
0 *caninum*

10624 *Poa*  
18 *serotina*  
*Poa serotina*

*Thymus* *serotinus* of *Thymus* *serotinus*

10625 *Agropyron*  
3 *subvillosum*  
*Agropyron subvillosum*

10626 *Festuca*  
2 *pacifica*

very much perished  
on glass  
10627 *Agropyron* - *serotinus*  
618  
*Agropyron* *serotinus* *caninum*

*caninum*

10620

0

*Diardus*

wee in field

10621

3

*Helena  
juncus*

10622

*Bromus*

2

*Bromus porteri frondosus*

along stream

10623

0

*Schaefferia  
clayton*

little

10624

0

*Poa  
annua*

little



10611 Agrostis  
1 exarata

Agrostis exarata Steud.

10612 Stipa  
2 Thureberiana  
Stipa Thureberiana

10613 Agropyron  
2 (subullosum)

Agropyron subullosum

10614 Elymus  
1 conduratus  
Elymus conduratus

10615 Poa  
1 compressa  
Poa compressa L.

stoloniferous & sp. lvs. pubescent  
June 1824

Foot hills, showing  
the base, few rhizomes but  
I have rhizomata, the shoots  
bending one way & upward

along stream - field

10630 *Festuca*  
/  
*Festuca elatior* L.

10631 *Bromus*  
/  
*Bromus hordeaceus*

Austin July 28 - Carter  
10632 *Festuca*  
/  
*Festuca rubra* L.

10633 *Stipa*  
/  
*Stipa comata intermedia*

10634 *Poa*  
/  
*Poa nevadensis*

escapes along stream  
pasture

used for pasture  
along stream

Ranch in Kingston Range Sta.  
Newlands - Kingston

Kingston Canyon

delly - among sage  
brush



10641 Deschampsia  
/ Carex pilosa

10642 Poa  
/ Poa pratensis

10643 Calamagrostis  
Calamagrostis hypnoides

10644 Poa  
/ Samolus  
Poa sandbergii

10645 Poa  
4 (of color)  
Poa longipedunculata

Number - 1000  
yellow panicle - then  
marginal with the  
purple  
Number - 1000

delta

Summit, dry hill

delta - these specimens  
may not all be the same



10640 *Elymus*  
/  
*macounii*  
*Elymus macounii*

10641 *Proseris*  
/  
*marginatus*

10642 *Poa*  
/  
(nevadensis)  
*Poa nevadensis*

10643 *Panicum*  
/  
*nerioides*  
*Panicularia nerivata*

10644 *Muhlenbergia*  
/  
(*disparifolia*)  
*Muhlenbergia squarrosa*

Big Creek Canyon

Hill

Dry hills small valleys  
among sage brush  
no flowers - leaves

Springy place  
along Big Creek

Dry Ground - Knap  
canyon

10651 *Dr. deamsonii*  
*confertus*

Wendover - Big tree

10652 *Bromus*  
*hordeaceus*  
*Bromus hordeaceus*

Wendover - Big tree

10653 *Agropyron*  
*repens*  
*Agropyron repens* (L.) Beauv.

Wendover - Big tree  
Carlisle Ranch

10654 *Stipa*  
*Stipa nelsonii*

growing with 655  
but removed

10655 *Poa*  
*Stipa*  
*Stipa williamsii*

Big Creek Canyon  
among sage brush  
leaves pubescent



10650 *Poa*  
/ (*holerii*?)  
*Poa longipedunculata*

10651 *Poa*  
/ (*Sandbergii*)  
*Poa sandbergii*

10652 *Stipa*  
/ *Stipa williamsii*

10653 *Bromus*  
/ *Bromus marginatus*

10654 *Agropyron*  
/ *Agropyron spicatum*

Dry ground

Dry ground

Dry ground  
some what pubescent

della - summit

Agropyron - summit  
seems different from  
var. or common



1061 Melica

9 III Melica bella

III III  
III III

1062 Poa

20 (wheeleri)

get Poa wheeleri

1063 Stipa

(occidentalis)

get Stipa occidentalis

1064 Poa

13 III leptocoma

III III testuca

1065 Festuca

ovata var.

get Poa leptocoma

Delo - Kipler Canyon

Dry grass - summit

Kipler Canyon  
among Sage brush

Springy place Big  
creek

Dry grass - summit

10600 *Sitanion*

*Sitanion californicum*

Set

King's Range, Nevada

10600 *Poa*

*longi?*

Set

*Poa longipedunculata*

10600 *Poa*

1

(pend. group?)

*Poa longiligula*

10600 *Festuca*

1

*confinis*

*Festuca confinis*

10600 *Bromus*

3

*parlieri*

*Bromus porteri* (Coulter) Nash

Among sage brush

King's Range, Nevada

Bank of alluvial fan, July 29

Dry ~~hill~~ slope above timber  
brush. Old partially woody  
young sprouts light yellow  
purple.

Brush upper alluvial

above timber line

Among sage brush

10671 Koeleria  
2 crinita

Hepper's alluvial  
ditch

10672 Trisetum  
1 speciosum

ditto

10673 Sitamion  
1 Sitamion californicum

Dry slope

10674 F. edmon  
1 confinis

near summit  
of hill

10675 Poa

ditto

2  
Poa longipedunculata



100

10

1

1

1

1

10

6553



to 1/5, 6 24: Carlen Ranch





